

SEP 08 2004
EL988662594US

9/10/04

1636/ \$
Chen

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00)

Complete if Known	
Application Number	09/647,841
Filing Date	October 5, 2000
First Named Inventor	Ilga Winicov
Examiner Name	Baum, Stuart F.
Art Unit	1636
Attorney Docket No.	112624.00020

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account:

Deposit Account Number	17-0055
Deposit Account Name	Quarles & Brady LLP

The Director is authorized to: (check all that apply)

- Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) or any underpayment of fee(s)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)		(\$ 0.00)	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
			-20*	=	0.00
			-3**	=	0.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 0.00)

*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify) _____			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 180.00)

(Complete if applicable)

SUBMITTED BY			
Name (Print/Type)	Barbara J. Luther	Registration No. (Attorney/Agent)	33,954
Signature	Barbara J. Luther		
Telephone	602-230-5502		
Date	September 8, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1855895

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Winicov, Ilga

Serial No.: 09/647,841

Filed: October 5, 2000

Art Unit: 1638

For: *EXPRESSION OF ALFIN1 AND METHODS FOR
PRODUCING TRANSGENIC PLANTS HAVING
INCREASED ROOT GROWTH AND ROOT
SPECIFIC GENE ACTIVATION*

Examiner: Baum, Stuart F.

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 C.F.R. § 1.97

MAIL STOP AMENDMENT

Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313

Dear Sir:

Applicant hereby brings to the attention of the Examiner the documents noted on the accompanying Form PTO-1449. This Information Disclosure Statement is being filed after the mailing date of a first Office Action on the merits.

It is respectfully requested that the information cited herein be expressly considered during the prosecution of this application and made of record on any patent to issue therefrom. Inclusion of a reference on the enclosed 1449 is not to be construed as indicating the reference is prior art. Provision of this Information Disclosure Statement is not to be taken as evidence that a search has been conducted.

The Commissioner is hereby authorized to charge any cost that may be due to Deposit Account No. 17-0055.

Respectfully submitted,
QUARLES & BRADY STREICH LANG, LLP

09/13/2004 CNGUYEN 00000017 170055 09647841

01 FC:1806 180.00 DA

September 8, 2004

By: Barbara J. Luther
Barbara J. Luther, Reg. No. 33,954

Attorney Docket No. 112624.00020

Address all correspondence to:

Barbara J. Luther

One Renaissance Square

Two North Central Avenue

Phoenix, AZ 85004

Telephone: 602-230-5502

Faxsimile: 602-229-5690

Email: bluther@quarles.com



SEP 08 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	09/647,841
Filing Date	October 5, 2000
First Named Inventor	Ilya Winicov
Art Unit	1638
Examiner Name	Baum, Stuart F.
Attorney Docket Number	112624.00020

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

~~Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.~~

Substitute for form 1449/PTO

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

3

Application Number	09/647,841
Filing Date	October 5, 2000
First Named Inventor	Ilga Winicov
Art Unit	1638
Examiner Name	Baum, Stuart F.
Attorney Docket Number	112624.00020

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

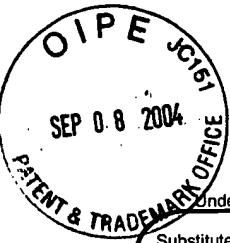
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	A	JOHN W. SCHIEFELBEIN, Building a Root: The Control of Patterning and Morphogenesis during Root Development, The Plant Cell, July 1997, 1089-1098, Vol 9, American Society of Plant Physiologists	
	B	WOUT BOERJAN, supperroot, a Recessive Mutation in Arabidopsis, Confers Auxin Overproduction, The Plant Cell, Sept. 1995, 1405-1419, Vol 7, American Society of Plant Physiologists	
	C	ROBERT A. CREAMAN, Water Deficit and Abscisic Acid Cause Differential Inhibition of Shoot versus Root Growth in Soybean Seedlings, Plant Physiol., 1990, 205-214, Vol. 92	
	D	RAUL B. LARSEN, AI Inhibits Both Shoot Development and Root Growth in als3, an AI-Sensitive Arabidopsis Mutant, Plant Physiol., 1997, 1207-1214, Vol. 114.	
	E	M.R. FOOLAD, Mapping salt-tolerance genes in tomato (<i>Lycopersicon esculentum</i>) using trait-based marker analysis, Theor Appl Genet, 1993, 184-192, Vol. 87.	
	F	ILGA WINICOV, cDNA Encoding Putative Zinc Finger Motifs from Salt-Tolerant Alfalfa (<i>Medicago sativa L.</i>) Cells, Plant Physiol., 1993, 681-682, Vol. 102.	
	G	CE DEUTCH, Post-transcriptional regulation of a salt-inducible alfalfa gene encoding a putative chimeric proline-rich cell wall protein, Plant Mol Biol., 1995, (ABSTRACT ONLY)	
	H	ILGA WINICOV, Transgenic Overexpression of the Transcription Factor Alfin1 Enhances Expression of the Endogenous MsPRP2 Gene in Alfalfa and Improves Salinity Tolerance of the Plants, Plant Physiology, June 1999, 473-480 Vol. 120	
	I	DHUNDY R. BASTOLA, Alfin1, a novel zinc-finger protein in alfalfa roots that binds to promoter elements in the salt-inducible MsPRP2 gene, Plant Molecular Biology, 1998, 1123-1135, Vol. 38, Kluwer Academic Publishers, Netherlands	
	J	FJ RAUSCHER 3rd, Binding of the Wilms' tumor locus zinc finger protein to the EGR-1 consensus sequence, Science, Nov. 1990, 1259-1262, Vol. 4985 (ABSTRACT ONLY)	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO

Complete if Known

Application Number	09/647,841				
Filing Date	October 5, 2000				
First Named Inventor	Iiga Winicov				
Art Unit	1638				
Examiner Name	Baum, Stuart F.				
Sheet	3	of	3	Attorney Docket Number	112624.00020

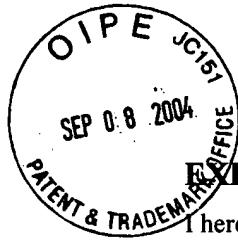
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
	K	YURI T. YAMAMOTO, Characterization of cis-Acting Sequences Regulating Root-Specific Gene Expression in Tobacco, The Plant Cell, April 1991, 371-382, Vol. 3, American Society of Plant Physiologists			
	L	E. ADAM, Transcription of tobacco phytochrome-A genes initiates at multiple start sites and requires multiple cis-acting regulatory elements, Plant Mol Biol., Dec. 1995, 983-993 Vol. 29 (ABSTRACT ONLY)			
	M	GA MIGNERY, Molecular characterization of the patatin multigene family of potato, Gene, 1988, 27-44, Vol. 62(1). (ABSTRACT ONLY)			
	N	F. SATO, Ethylene-induced gene expression of osmotin-like protein, a neutral isoform of tobacco PR-5, is mediated by the AGCCGCC cis-sequence, Plant Cell Physiol., Apr. 1996 249-255 Vol. 37(3) (ABSTRACT ONLY)			

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



EXPRESS MAIL CERTIFICATE: EL988603609US

I hereby certify that this correspondence listed below is being deposited with the United States Postal Service on the date set forth below as Express Mail in an envelope addressed to: Mail Stop ASSIGNMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Signature
and Deposit: September 8th, 2004

By:

(Signature of person depositing mail)

ERIN DUFFY

(Typed/Printed Name)

CERTIFICATE OF MAILING PURSUANT TO 37 C.F.R. 1.10

In re Application of: WINICOV, Ilga

Serial No.: 09/647,841

Filed: October 5, 2000

For: *EXPRESSION OF ALFIN1 AND METHODS FOR
PRODUCING TRANSGENIC PLANTS HAVING
INCREASED ROOT GROWTH AND ROOT SPECIFIC
GENE ACTIVATION*

Attorney Docket No.: 112624.00020

Group Art Unit: 1638

Examiner: Baum, Stuart F.

Mail Stop Amendment
Commissioner for Patents
U.S. Patent & Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Type of Filing:

- 1) Response to Notice of Non-Compliant Amendment dated 8/25/04
- 2) Information Disclosure Statement
- 3) Form PTO-1449 (3 pages)
- 4) References (14)
- 5) Fee Transmittal
- 6) Return receipt postcard